

ABSTRACT

A filtering apparatus and method comprises parallel filtering elements backflushable with the pressure of the filtered flow. At least one washing organ connecting alternately to the different filtering elements, forms a discharge channel for the washing flow. A freewheel clutch is connected to a rotating axle of the washing organ, converting reciprocating movement generated with the pressure of flow in the filtering apparatus and with pressure alternating with it into a continuously parallel, stepping rotary movement of the washing organ. The mechanism containing the clutch may be outside the filtering room of the apparatus, and based on the alternation of the higher pressure of the flow filtered in the apparatus and the lower pressure from the discharge channel. The freewheel clutch is articulated to a piston in the cylinder, and is moved back and forth with the pressure difference, controlled by the channels relaying the pressure and by the valves.